

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
PATENT APPLICATION5 Entitled : A CASING, A COMPRESSOR, A TURBINE, AND A  
COMBUSTION TURBINE ENGINE INCLUDING SUCH A  
CASING10 Inventors : LE BIEZ Philippe ; LEBRET Yann ; MONS Claude  
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## 15 ABSTRACT OF THE DISCLOSURE

The casing of the invention is of the type supporting series of stationary blades having disposed between them series of blades that are movable in 20 rotation about a longitudinal axis. In characteristic manner, said casing comprises a main element and, at least facing one of the series of moving blades, an assembly comprising a plate made of a honeycomb material and a covering disposed on the face of the plate facing 25 away from the blades so that said cells are open towards the blades, said covering being provided with holes that open out into cells of the plate, thereby forming open cells, said covering closing other cells of the plate, thereby forming closed cells, a cavity being formed 30 between said plate and the inside face of said main element. Preferably, the casing forms the casing of an axial compressor operating at low pressure in a turbojet engine.

35 Figure 2